Claims 18 and 41 are amended and new claim 50 has been added. Claims 19-20 and 35 have been canceled without prejudice herein to reduce claim count. Claims 18, 21-34, 36-44 and 50 remain in the application for consideration. In view of the following remarks, Applicant traverses the Office's rejections and respectfully requests that the application be forwarded on to issuance.

Statement of Substance of Examiner Interview dated 10/4/2007

Applicant would like to sincerely thank Examiner Thu V. Huynh for her time in discussing this application over the phone on 10/4/2007.

During this interview, the §102 rejections and the §103 rejections based on Kutay were discussed. Applicant's attorney discussed claim 1 and the differences between Kutay and the claimed subject matter. The Examiner clarified aspects of the Examiner's comments made on p. 18 of the Office Action dated 8/9/07, which suggested subject matter to overcome the outstanding rejections. The Applicant's attorney understood the Examiner as agreeing that incorporation of the subject matter suggested by the Examiner would overcome the references of record.

Accordingly, in the interest of expediting allowance of the subject application and without conceding the propriety of the rejection, amendments have been made to the independent claims herein in the spirit of those discussed during the interview. The Applicant submits that all of the pending claims are in condition for allowance. If any issues remain that would prevent the allowance of

the application, Applicant requests that the Examiner contact the undersigned attorney to resolve the issues.

35 U.S.C. §102 and 35 U.S.C. §103 Rejections

Kutay Claims 18-20 and 27-28 stand rejected under 35 U.S.C. §102(b) as being anticipated by Kutay et al., US 2002/0026461 (herein "Kutay").

Claims 21, 24, 29-30, 35-41 and 44 stand rejected under 35 U.S.C. § 103(a) as being unpatentable over Kutay et al., US 2002/0026461 (herein "Kutay").

Claims 22-23, 31-34 and 42 stand rejected under 35 U.S.C. § 103(a) as being unpatentable over Kutay as applied to claim 18 above, and further in view of Britton et al., US 2003/0018668 (herein "Britton").

Claims 25 and 43 stand rejected under 35 U.S.C. § 103(a) as being unpatentable over Kutay as applied to claim 18 above, and further in view of Huang, US 2004/0205592 (herein "Huang").

Claim 26 is rejected under 35 U.S.C. § 103(a) as being unpatentable over Kutay as applied to claim 18 above, and further in view of Engel, US 2004/0163041 (herein "Engel"). Applicant respectfully disagrees.

Nonetheless, in the interest of expediting allowance of the subject application and without conceding the propriety of the rejection, amendments have been made to the independent claims herein in the spirit of those discussed during the interview. For example:

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Claim 18 as amended (portions of the amendment appear in bold/italics) recites one or more computer-readable media comprising computer-executable instructions that perform the following when executed by one or more computers:

- presenting extensible markup language (XML) data of a first XML document in a user interface having *a form display area; a component selection tool; and a data source area, wherein:*
  - *the form display area displays the XML data of the first XML document in an electronic form representation having one or more data-entry fields representing one or more nodes of the first XML document;*
  - *the component selection tool is selectable to permit a designer to insert and place components into the form display area for inclusion in the first XML document;* and
  - *the data source area displays the XML data of the first XML document in a hierarchal tree representation concurrently with the electronic form representation of the first XML document in the form display area;*
- enabling one or more operations through interaction with a component in the electronic form representation;
- receiving selection of an operation of the one or more operations; and
- modifying the XML data of the first XML document corresponding to the component in the electronic form based on the received operation, wherein:
  - the act of presenting comprises determining that a node of the first XML document corresponding to the component is identified in a first element in a second XML document;
  - the act of enabling comprises determining that the operations are identified in a second element associated with the first element in the second XML document; and
  - the act of modifying the XML data causes modifications to the XML data to be concurrently reflected in the electronic form representation and the hierarchal tree representation.

Claim 41 as amended (portions of the amendment appear in bold/italics) recites one or more computer-readable media comprising computer-executable instructions that perform the following when executed by one or more computers:

- *outputting a user interface having a form display area; a data source area; and a component selection tool;*
- *presenting a first extensible markup language (XML) document in the form display area as an electronic form having one or more data-entry fields representing one or more nodes of the first XML document, wherein the component selection tool is selectable to permit a designer to for inclusion in the first XML document and place the selected components in the form display area;*
- *presenting the first XML document in a hierarchal tree representation in the data source area*; and
- enabling an operation to be performed on one of the nodes through its data-entry field, wherein:
  - o the one node is identified in a 'xmlToEdit' element comprising a character string of "xmlToEdit" in a second XML document;
  - o the operation enabled to be performed on the one node is identified in a child element of the 'xmlToEdit' element, the child element comprising a character string of "editWith"; and
  - o when performed, the operation enabled to be performed causes a modification of data corresponding to the one node in the first XML document, the modification being concurrently reflected in the electronic form and the hierarchal tree representation.

The above noted amendments reflect the agreement that was arrived at in the interview on 10/4/2007. Further, the amendments adopt the suggestions of the Examiner regarding subject matter to overcome Kutay, as discussed in "Response to Arguments" on p. 18 of the Office Action. In the interview, the Examiner agreed that Kutay was silent as to the "content selection tool" that permits "a designer to insert and place components into the form display area for inclusion in the first XML document" as presently recited in claim 18 or that permits "a designer to select components for inclusion in the first XML document and place the selected components in the form display area" as presently in claim 41. Kutay

lacks at least this recited feature of claims 18 and 41. Accordingly, claims 18 and 41 as presently recited are allowable over the references of record for at least this reason.

As also discussed in the interview, contrary to the assertions of the Examiner on p. 3 of the Office Action dated 8/9/2007, Kutay does not in fact disclose, teach or suggest concurrently displaying a electronic form representation and a hierarchal tree representation of an XML document. In making out each of the above noted rejections, the Examiner relies upon Kutay at FIGS. 15A- 15D and paragraph [0174] for these recited aspects of the claims. FIG. 15A and paragraph [0174] are reproduced for convenience as follows:
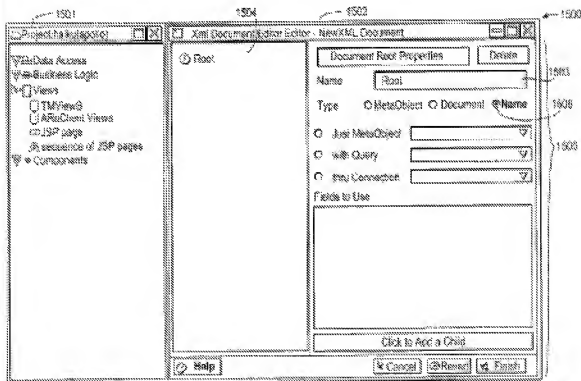

Fig. 15A

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Referring to FIG. 15A, in one embodiment, a construction user interface area, for example interface 1500, displays a project window 1501 containing a previously created project having multiple fields, for example a data access field, a business logic field, a views field, and a components field. In one embodiment, user 205 selects the views field and chooses to add a new XML document with a conventional right-click command. Interface 1500 displays a New XML Document window 1502 to allow user 205 to define the XML document. The new XML document will appear in a box 1504 within the New XML Document window 1502 as a hierarchical structure containing a root element and one or more child elements. *Kutay, [0174]*.

In the above portions taken from Kutay it may be seen that the project window 1501 shows a tree view of a previous project. The new XML document window 1502 displays an interface/form to define a new XML document. It is important to understand that the window 1502 is not an electronic form representation of the tree view of the previous project, which is shown in the project window 1501. Further, the new XML document defined via the window 1502 "will appear in a box 1504 within the New XML Document window 1502 as a hierarchical structure containing a root element and one or more child elements". Thus, the defined new XML document of Kutay also appears as a hierarchical structure. However, FIG. 15A does not show and Kutay does not describe the new XML document being presented in an electronic form representation. The form shown in window 1502 is not a rendering or otherwise a representation of the new

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XML document defined using the form and shown as a hierarchical structure only in the portion 1504.

Thus, in making out the rejection, the Examiner erroneously relies upon portion 1502 as an electronic form representation of either the new XML document or the previous project in portion 1501. However, Kutay is limited to hierarchal views of the new document and previous project. While Kutay does show window 1501 with a hierarchal view of the previous project, a form in window 1502 which may be used in defining a new XML document and a portion 1504 to show a hierarchical view of the defined XML document, the window 1502 is simply not an electronic form that represents either the previous project or the defined document. Rather, the interface 1500 shown in Kutay and the form in window 1502 permit inputs for creating the source XML document, which is displayed exclusively in Kutay "as a hierarchical structure" in the portion 1504.

Accordingly, Kutay does not in the cited portions or elsewhere disclose, teach or suggest the features of: (1) "presenting extensible markup language (XML) data of a first XML document in a user interface having a form display area . . . and a data source area, wherein" (2) "the form display area displays the XML data of the first XML document in an electronic form" and (3) "the data source area displays the XML data of the first XML document in a hierarchal tree representation concurrently with the electronic form representation of the first XML document in the form display area" as recited for example in claim 18 or similar features recited in varying terms and scope in claim 41. In the interface

1500 of Kutay, the displayed hierarchal structures in portions 1501 and 1504 are not the underlying data which creates the form in window 1502. Thus, it cannot accurately be said that the form in window 1502 of interface 1500 is an electronic form representation of the documents which are shown as hierarchal structures in the portions 1501 and 1504. Simply stated, Kutay does not provide any basis for a user interface to display an XML document in both an electronic form representation and a hierarchal tree representation. Claims 18 and 41 as presently recited are allowable over the references of record for these additional reasons.

For at least the foregoing reasons, Claims 18 and 41 and their respective dependent claims are allowable over the references of record and withdrawal of the rejections is respectfully requested.

New Claims

New **Claim 50** has been added and recites a computer-implemented method comprising:

- outputting a user interface to present an extensible markup language (XML) document, the user interface including:
    - o a form display area to display an electronic form representation of the XML document;
    - o a data source area to display a hierarchal tree representation of the XML document; and
    - o a component selection tool selectably displayable and operable by a user to select components for the electronic form representation including one or more data entry field components for inclusion in the XML document;
- responsive to user interaction with the component selection tool, receiving a selection of one or more components and arranging the one or more

components in the electronic form representation of the XML document in form display area;

- enabling one or more operations through interaction with the one or more components arranged in the electronic form representation of the XML document;
- receiving a selection of one said operation of the one or more operations through interaction with one said component; and
- modifying the one said component based on the received operation, wherein the act of modifying the one said component causes modifications to the XML document that are concurrently reflected in the electronic form representation in the form display area and the hierarchal tree representation in the data source area.

Claim 50 is directed at a computer-implemented method including features similar to claims 18 and 41, in varying terms and scope. For example, claim 50 recites "a form display area to display an electronic form representation of the XML document; a data source area to display a hierarchal tree representation of the XML document; and a component selection tool selectably displayable and operable by a user to select components for the electronic form representation including one or more data entry field components". For reasons similar to those discussed with respect to claims 18 and 41, the references of record, alone or in combination, lack at least these recited features of claim 50. Accordingly, new claim 50 is allowable for at least reason.

Conclusion

The Application is in condition for allowance and the Applicant respectfully requests reconsideration and issuance of the present application. Should any issue remain that prevents immediate issuance of the application, the Examiner is requested to contact the undersigned attorney to discuss the unresolved issue.

Respectfully submitted,

Date: _____ 10/16/2007 _____   By: ___/Daniel T. McGinnity, #55444/___
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